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Conc'd* constant height with respect to a *rotationally symmetrical aspheric*
Sub by end shape generally followed by said objective lens.

X Sub by 8. An optical scanning device according to claim 6, wherein
the radial widths of said zones are selected in dependence on the
comatic aberration to be compensated for.

X Sub by 11. An optical scanning device according to claim 8, wherein
said zones comprise a zone (b) with a nonzero height, measured in
relation to said aspheric shape, located in the region in which the
normalized pupil coordinate ρ ranges from 0.9 to 1.00.

X Sub by 13. An optical scanning device according to claim 6, wherein
the heights of said zones are selected substantially optimally in
relation to the comatic aberration to be compensated for.

Sub by 14. An optical scanning device according to claim 7, wherein
the number of said zones is greater than four.

15. An optical scanning device according to claim 8, wherein
the number of said zones is less than ten.

16. An optical scanning device according to claim 9, wherein
said non-periodic phase structure is formed on the surface of said
objective lens.